

LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Nickel
- Insulator : Thermoplastic
- Contacts : Copper Alloy
- Seals & Grommet : Silicon Elastomer
- Contact Plating : Gold over copper Alloy 0.8µm minimum
- Durability : 500 Mating cycles
- Delivered with Souriau contacts and Accessories
- Temperature Range : -65°C to +200°C
- Salt Spray : 48 hours
- Mass : 49.21 g ± 10%

BASIC SERIES: 8D 0 S 25 F 35 P A

SHELL TYPE : Square Flange Receptacle

CONTACT TYPE : Specific PC tail

SHELL SIZE : 25

PLATING : F = Nickel

Connector dimension	
Dim	Nominal
P	3.91±0.2
PP	6.15±0.2
R1	38.1
R2	34.93
S	46±0.3
V	20.07+0/-1.25
W	2.1/3.2
Z	31.5 Max
VV THREAD	M37x1-6g

PC Contact dimension	
ØD	0.7 Max
L1	9.77 / 10.80
L2	5+0/-0.1

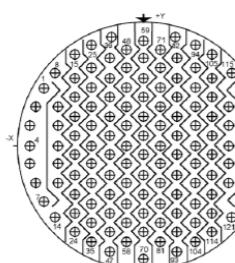
SOURIAU shall not be liable for any non-conformity or damage due to a use of the Products which does not comply with the Specifications issued by either of the Parties or by a third party (professional recommendation, technical notice.)

Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D0S25F35PA

B	09-04-17	Drawing Update			
ISS	DATE	Latest modification - by	MOD N°		
Designed By:		Date:	CUSTOMER DRAWING		
TITLE		Aluminium Receptacle 8D series			
SCALE			General linear Tolerances:	NPRDS / PROJECT	
NA			±--	859	
SOURIAU		WWW.SOURIAU.COM		This document is the property of SOURIAU it must not be reproduced or communicated without permission	
FORMAT	SOURIAU DRG N°			SHEET	
A3	8D0S25F35PA-C			1/2	

Contact Layout



DIAMETER FOR PCB DRILLING	
Contact Type	Diameter
Contact Size 22	Ø1 Min

Contacts
(Insert arrangement 25-35)

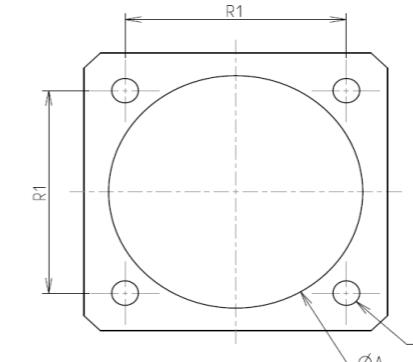
Contact position ID	Location		Location	
	X-axis (mm)	Y-axis (mm)	Contact position ID	X-axis (mm)
1	-479 (12.17)	+279 (7.09)	65	+.000 (0.00)
2	-520 (13.21)	+190 (4.83)	66	+.000 (0.00)
3	-546 (13.87)	+.095 (2.41)	67	+.000 (0.00)
4	-555 (14.10)	+.000 (0.00)	68	+.000 (0.00)
5	-546 (13.87)	-.095 (2.41)	69	+.000 (0.00)
6	-520 (13.21)	-190 (4.83)	70	+.000 (0.00)
7	-479 (12.17)	-279 (7.09)	71	+.083 (2.11)
8	-424 (10.77)	+.357 (9.07)	72	+.083 (2.11)
9	-415 (10.54)	+190 (4.83)	73	+.083 (2.11)
10	-415 (10.54)	+.095 (2.41)	74	+.083 (2.11)
11	-415 (10.54)	-.000 (0.00)	75	+.083 (2.11)
12	-415 (10.54)	-.095 (2.41)	76	+.083 (2.11)
13	-415 (10.54)	-190 (4.83)	77	+.083 (2.11)
14	-424 (10.77)	-.357 (9.07)	78	+.083 (2.11)
15	-332 (8.43)	+.444 (11.28)	79	+.083 (2.11)
16	-332 (8.43)	+.332 (8.43)	80	+.083 (2.11)
17	-332 (8.43)	+.237 (6.02)	81	+.083 (2.11)
18	-332 (8.43)	+.142 (3.61)	82	+.160 (4.06)
19	-332 (8.43)	+.047 (1.19)	83	+.166 (4.22)
20	-332 (8.43)	-.047 (1.19)	84	+.166 (4.22)
21	-332 (8.43)	-.142 (3.61)	85	+.166 (4.22)
22	-332 (8.43)	-.237 (6.02)	86	+.166 (4.22)
23	-332 (8.43)	-.332 (8.43)	87	+.166 (4.22)
24	-332 (8.43)	-.427 (10.85)	88	+.166 (4.22)
25	-249 (6.32)	+.496 (12.60)	89	+.166 (4.22)
26	-249 (6.32)	+.380 (9.65)	90	+.166 (4.22)
27	-249 (6.32)	+.285 (7.24)	91	+.166 (4.22)
28	-249 (6.32)	+.190 (4.83)	92	+.166 (4.22)
29	-249 (6.32)	+.095 (2.41)	93	+.166 (4.22)
30	-249 (6.32)	+.000 (0.00)	94	+.249 (6.32)
31	-249 (6.32)	-.095 (2.41)	95	+.249 (6.32)
32	-249 (6.32)	-.190 (4.83)	96	+.249 (6.32)
33	-249 (6.32)	-.285 (7.24)	97	+.249 (6.32)
34	-249 (6.32)	-.380 (9.65)	98	+.249 (6.32)
35	-249 (6.32)	-.475 (12.07)	99	+.249 (6.32)
36	-160 (4.06)	+.531 (13.49)	100	+.249 (6.32)
37	-166 (4.22)	+.427 (10.85)	101	+.249 (6.32)
38	-166 (4.22)	+.332 (8.43)	102	+.249 (6.32)
39	-166 (4.22)	+.237 (6.02)	103	+.249 (6.32)
40	-166 (4.22)	+.142 (3.61)	104	+.249 (6.32)
41	-166 (4.22)	+.047 (1.19)	105	+.332 (8.43)
42	-166 (4.22)	-.047 (1.19)	106	+.332 (8.43)
43	-166 (4.22)	-.142 (3.61)	107	+.332 (8.43)
44	-166 (4.22)	-.237 (6.02)	108	+.332 (8.43)
45	-166 (4.22)	-.332 (8.43)	109	+.332 (8.43)
46	-166 (4.22)	-.427 (10.85)	110	+.332 (8.43)
47	-166 (4.22)	-.522 (13.26)	111	+.332 (8.43)
48	-.083 (2.11)	+.475 (12.07)	112	+.332 (8.43)
49	-.083 (2.11)	+.380 (9.65)	113	+.332 (8.43)
50	-.083 (2.11)	+.285 (7.24)	114	+.332 (8.43)
51	-.083 (2.11)	+.190 (4.83)	115	+.424 (10.77)
52	-.083 (2.11)	+.095 (2.41)	116	+.415 (10.54)
53	-.083 (2.11)	+.000 (0.00)	117	+.415 (10.54)
54	-.083 (2.11)	-.095 (2.41)	118	+.415 (10.54)
55	-.083 (2.11)	-.190 (4.83)	119	+.415 (10.54)
56	-.083 (2.11)	-.285 (7.24)	120	+.415 (10.54)
57	-.083 (2.11)	-.380 (9.65)	121	+.424 (10.77)
58	-.083 (2.11)	-.475 (12.07)	122	+.479 (12.17)
59	+.000 (0.00)	+.522 (13.26)	123	+.520 (13.21)
60	+.000 (0.00)	+.427 (10.85)	124	+.546 (13.87)
61	+.000 (0.00)	+.332 (8.43)	125	+.555 (14.10)
62	+.000 (0.00)	+.237 (6.02)	126	+.546 (13.87)
63	+.000 (0.00)	+.142 (3.61)	127	+.520 (13.21)
64	+.000 (0.00)	+.047 (1.19)	128	+.479 (12.17)

(Applicable to MIL-DTL-38999 only)

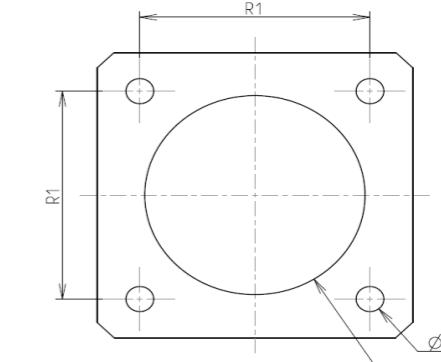
Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Supersedes
25	-35	128	22D	M	All	MS27533-35

Panel Cutout

SQUARE FLANGE RECEPTACLE (TYPE 0)
REAR MOUNTING



SQUARE FLANGE RECEPTACLE (TYPE 0)
FRONT MOUNTING



Max. thickness panel for receptacle: Type 0: front mounting = 3.2 mm, rear mounting = 2.5 mm

Dim	Nominal
ØA	42.47 min
ØAA	37.69 min
R1	38.1
ØT	3.81 ±0.13

SOURIAU shall not be liable for any non-conformity or damage
due to a use of the Products which does not comply with
the Specifications issued by either of the Parties or by a third party
(professional recommendation, technical notice.)

Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D0S25F35PA

B	09-04-17	Drawing Update	
ISS	DATE	Latest modification - by	MOD N°
Designed By:		Date:	CUSTOMER DRAWING
TITLE		Aluminium Receptacle 8D series	
SCALE		General linear Tolerances: ±--	NPRDS / PROJECT
NA			859
SOURIAU		WWW.SOURIAU.COM	
FORMAT	SOURIAU DRG N° 8D0S25F35PA-C		SHEET
A3			2/2
This document is the property of SOURIAU it must not be reproduced or communicated without permission			

H G F E D C B A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Souriau:

[8D0S25F35PA](#)